



## UN/CEFACT Standards at GS1

*Geneva  
7 June 2013*



## What I want to talk about

- What is GS1? (one slide)
- GS1's approach to eBusiness
- Implementation levels
- Some Use Cases
- GS1 and UN/CEFACT





## GS1: Who are we?

GS1 is a not-for-profit standards organisation

35 years of experience

111 member organisations representing all points in the supply chain

Over a million companies doing business across 145 countries

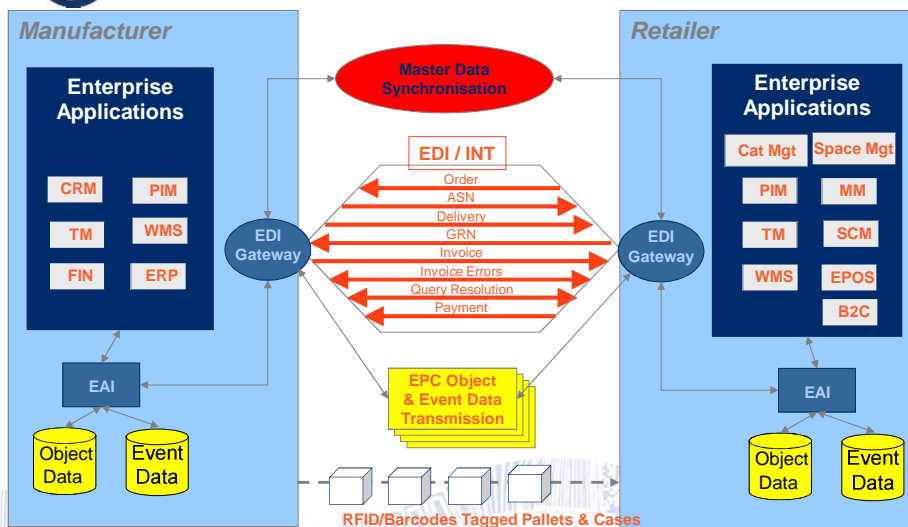
Over 20 represented sectors (FMCG, healthcare, transport, defence...)

- Countries with GS1 Member Organisations
- Countries served on a direct basis from GS1 Global Office (Brussels)

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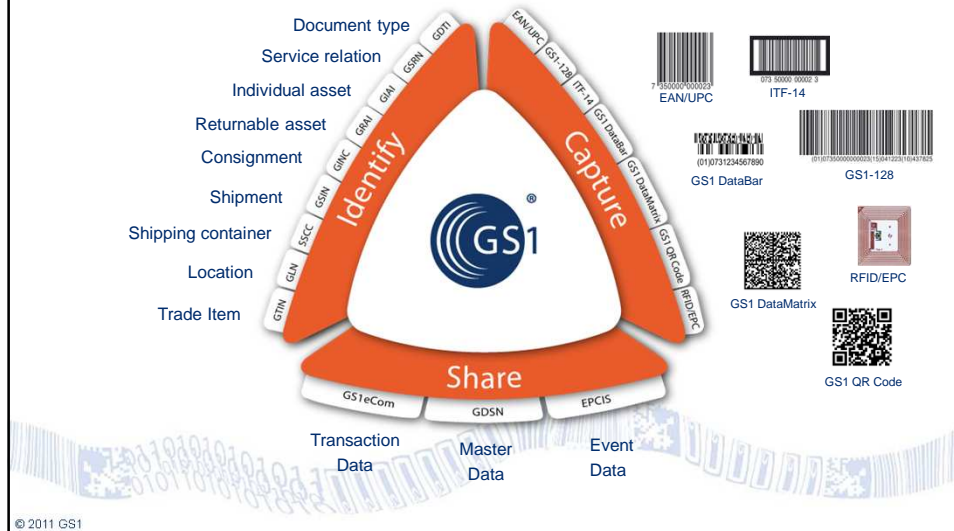
## Supply chain visibility according to GS1



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## The GS1 System



## GS1 eCom Standards

	EANCOM	GS1 XML	UN XML Profiles
<b>Syntax</b>	UN/CEFACT & ISO	W3C	W3C
<b>Message</b>	UN/CEFACT	GS1	UN/CEFACT
<b>Data</b>	UN/CEFACT	UN/CEFACT & GS1	UN/CEFACT
<b>Codes</b>	UN/CEFACT	UN/CEFACT & GS1	UN/CEFACT
<b>Guides</b>	GS1	GS1	GS1



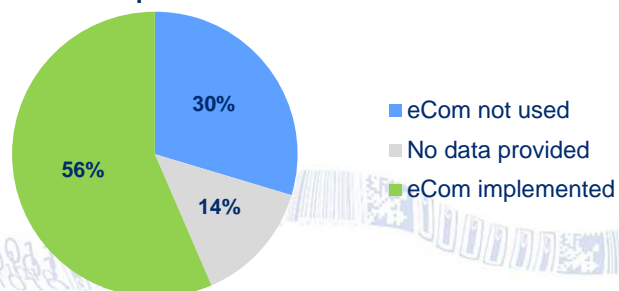
## Implementation levels



## General eCom implementation

- 84 responses received (out of 111)
- 63 countries reported some form of eCom implemented (4 countries the first time)
- 21 MOs reported that eCom is not used in their countries

eCom adoption in 110 GS1 member countries



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## eCom implementation for the first time

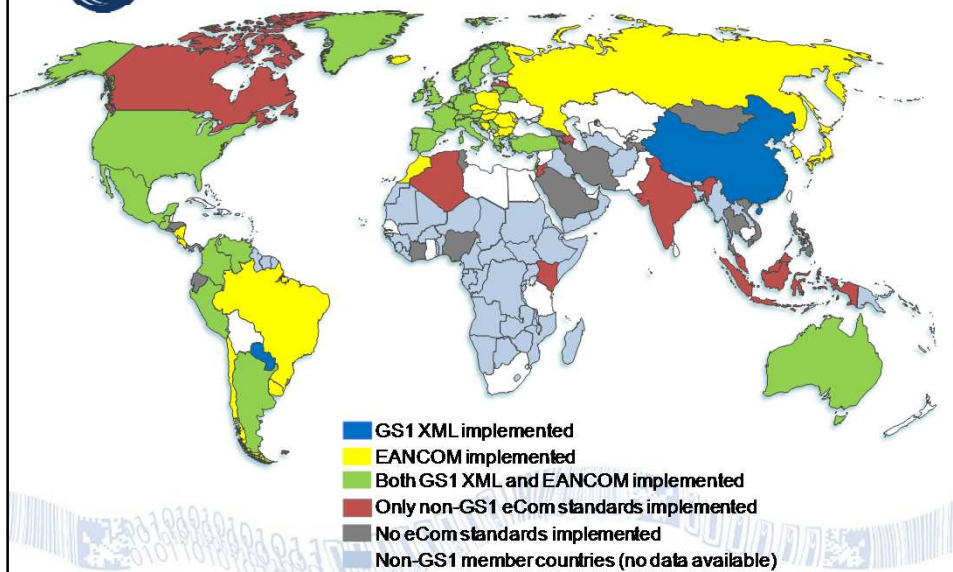
- 2011
  - Algeria
  - Armenia
  - Azerbaijan
  - Egypt
  - El Salvador
- 2012
  - Bosnia & Herzegovina
  - Cyprus
  - Kenya
  - Macedonia



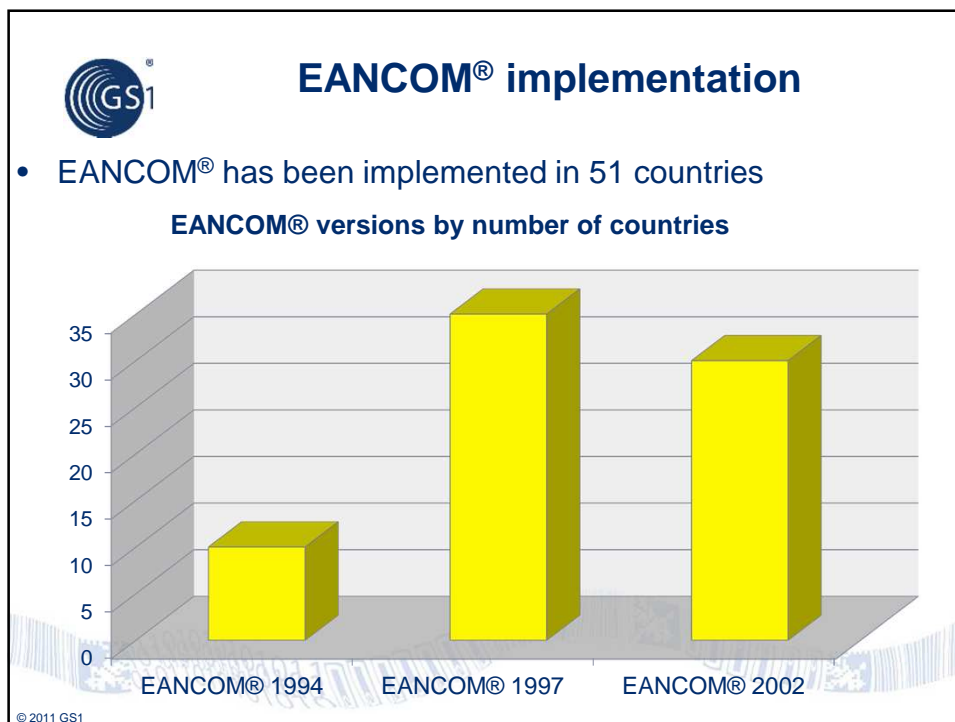
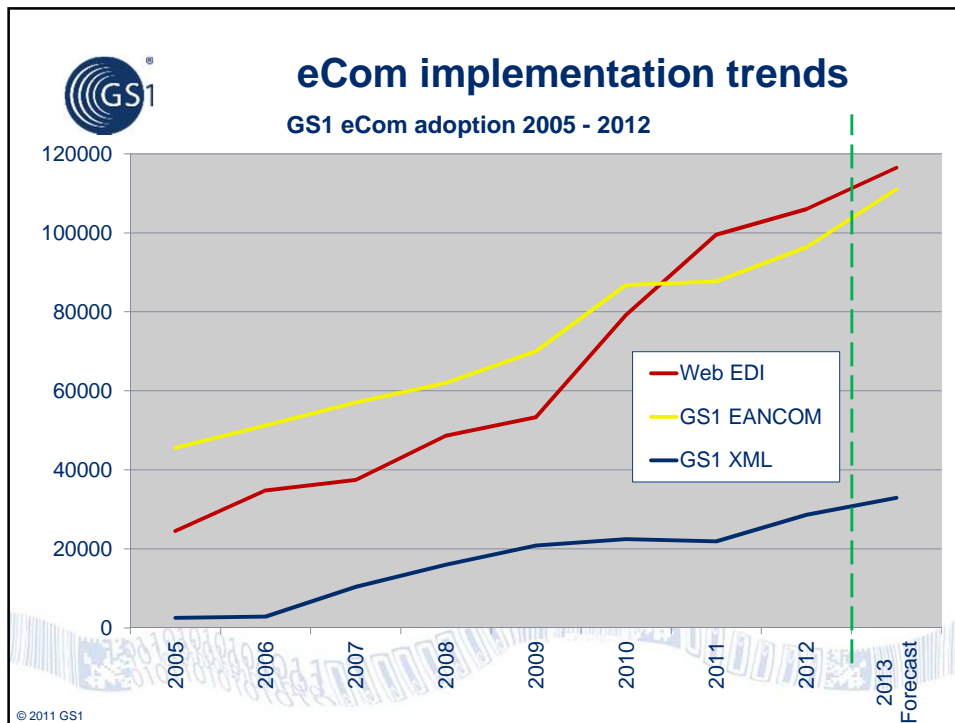
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## eCom implementation geography



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## EANCOM® implementation

- The most widely implemented EANCOM® messages:
  - ORDERS (Order)
  - INVOIC (Invoice)
  - DESADV (Despatch Advice)
  - ORDRSP (Order Response)
  - PRICAT (Price/Sales Catalogue)
  - RECADV (Receiving Advice)
  - INVRPT (Inventory Report)



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## GS1 XML implementation

- The most widely implemented GS1 XML messages:
  - Order
  - Invoice
  - Catalogue Item Synchronisation
  - Despatch Advice
  - Receiving Advice



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## UN XML Profiles implementation

- Not yet measured in the annual survey
  - Will be from this year
- We do measure downloads

Message	DL
Despatch Advice	82
Invoice	89
Purchase Order	74
Order Response	29
Data Types	95

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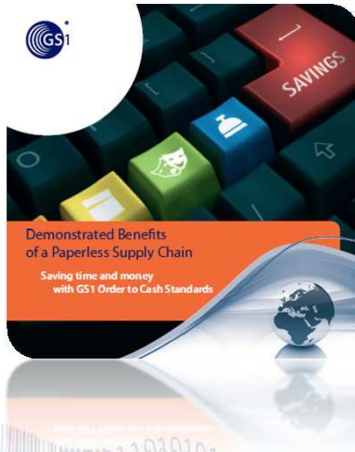
## Some Use Cases







## Did you know?



- **Despatch Advice** message + **GS1 Logistics Label**
- **12 € savings** for each transaction in France
- **15 € savings** for each transaction in Germany
- **5 \$ savings** in USA when Despatch Advice is used for simple confirmation purposes to as much as **50 \$** when used for visibility and automated receiving

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## Use Case 1 - Sweden

### Swedish Public Sector



- Time frame
  - 1995 first initiative
  - 1997 pilots
  - Today – ongoing business
- Key benefits for the public sector
  - Cut 45 meters of invoices/year (Malmö)
  - Savings of 1.5 million (161,000€) SEK of 8 million (860,000€) budget on administration (Västmanland)
  - Savings of > 27 FTE in back office (55,000 hours per year) (Kronoberg)

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## Simplicity & Harmonization



- Common process model for order-to-cash for any retail sector and food service
- Simpl-EB principles
  - Enough master data, focused on data quality through the Validoo service range
  - Lean transactional data. No redundant information or "Merry Christmas-fields". Example: max 32 attributes in an order message
- Process based approach enabling:
  - Efficient logistics
  - Traceability
  - Administrative efficiency (automatic invoice matching)

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## Use Case 3 – Germany

### e-Invoicing in Germany



- **16 € savings** for each transaction can be reached **by using electronic invoices (INVOIC)**  
*(by reduction of paper, time, handling and postal charges; source: average from different surveys between 2007-2009)*
- Nearly **7 bn €** savings are currently reached by using INVOIC in the German economy.  
*(Source: Average from different surveys between 2007-2009)*

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## ZUGFeRD / Factura Base



The ZUGFeRD approach builds on a combination of PDF with integrated structured data.

- The receiver decides if he processes structured data or just prints out the PDF, following the traditional manual process.
- ZUGFeRD is based on a core invoice, which leads to easy implementation.
- As it based on standards (XML, PDF/A), tools are available.

PDF/A-3

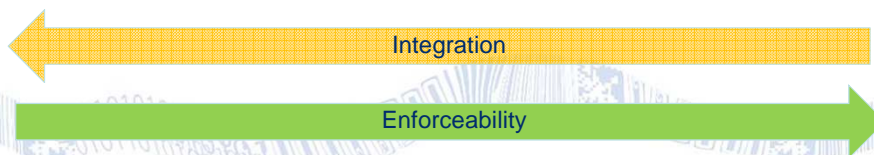
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## Positioning of the FeRD-Standard



EANCOM	GS1 XML Solutions	ZugFeRD-Standard	Plain PDF
<ul style="list-style-type: none"><li>• No change</li><li>• Still growing</li><li>• Sector-specific solutions for defined processes</li></ul>	<ul style="list-style-type: none"><li>• In addition to EANCOM for specific use cases</li><li>• Sector-oriented approach</li></ul>	<ul style="list-style-type: none"><li>• Common approach</li><li>• Intersectorial</li><li>• Alignment necessary</li><li>• Compatibility with GS1</li></ul>	<ul style="list-style-type: none"><li>• Free to use</li><li>• No structured information</li><li>• OCR possible</li><li>• In the future probably heavily used due to new VAT law.</li></ul>



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## GS1 and UN/CEFACT



## GS1 and UN/CEFACT

- GS1 a strong and present supporter since its inception
- Active participation in multiple domains
- GS1 is a NGO delegation to UN/CEFACT
- What do we need from UN/CEFACT:
  - Stable standards
    - Don't let the best be the enemy of the good
  - Concentrate on Cross Industry standards
  - Implementation guidance
  - Protect and promote UN/CEFACT's unique neutrality



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